AMENDMENTS TO THE CLAIMS

Listing of claims:

This listing of claims replaces all prior versions and listings of claims in the application.

Claim 1 (Currently Amended): A multi perspective video capture system that acquires video information of a target object from ~~multi perspective~~ multiple perspectives, comprising:

a plurality of cameras that are movable in three dimensions and which are capable of following the movement of the target object,

wherein video image data of a moving image [[that]] is synchronized for each frame of the plurality of cameras[[,]] with camera parameters for each frame of each of the cameras, and association information that mutually associates the video image data of the moving image with the camera parameters for each frame, are acquired;

wherein the camera parameters include camera attitude information of camera pan and tilt and zoom information; and

video image data of the moving image of the plurality of cameras is calibrated for each frame by using camera parameters that are associated with the association information, and information for analyzing the three-dimensional movement and attitude at each point in time of the target object is continuously obtained.

Claim 2 (Original):   The multi perspective video capture system according to claim 1, wherein the video image data of the moving image and camera parameters are stored and the video image data and camera parameters are stored for each frame.

Claim 3 (Currently Amended):   A multi perspective video capture system that acquires picture information of a target object from ~~multi perspective~~ multiple perspectives, comprising:

a plurality of cameras that are movable in three dimensions for acquiring video image data of a moving image;

a detector for acquiring camera parameters of each camera;

a synchronizer for synchronizing the plurality of cameras;

a data appending device for adding association information that makes associations between synchronized moving image video image data of each camera and between moving image video image data and camera parameters;

wherein the camera parameters include camera attitude information of camera pan and tilt and zoom information; and

calibrator for calibrating the video image data of each moving image by means of corresponding camera parameters on the basis of the association information and for obtaining information for analyzing the movement and attitude of the target object.

Claim 4 (Original):   The multi perspective video capture system according to claim 3, comprising:

video image data storage for storing, for each frame, video image data to which the association information has been added; and

camera parameter storage for storing camera parameters to which the association information has been added.

Claim 5 (Original): The multi perspective video capture system according to claim 1 or 3, wherein the association information is a frame count of video image data of a moving image that is acquired from one camera of the plurality of cameras.

Claim 6 (Canceled)

Claim 7 (Currently Amended): The multi perspective video capture system according to claim [[6]] 1, wherein the camera parameters include two dimensional or three-dimensional position information of the camera.

Claim 8 (Original): The multi perspective video capture system according to claim 2 or 4, wherein the data stored for each frame includes measurement data.

Claim 9 (Currently Amended): A storage medium for a program computer readable medium encoded with a computer program that causes a computer to execute control to acquire

video image information of a target object from ~~multi-perspective~~ multiple perspectives, comprising:

a first program encoder that sequentially [[add]] adds a synchronization common frame count to video image data of each frame acquired from a plurality of cameras; and

a second program encoder that sequentially [[add]] adds a frame count corresponding to the video image data to the camera parameters of each camera.

Claim 10 (Currently Amended): The ~~storage~~ computer readable medium ~~for a program~~ encoded with a computer program according to claim 9, wherein the first program encoder include the storing in first storage of video image data to which a frame count has been added.

Claim 11 (Currently Amended): The ~~storage medium for a program~~ computer readable medium encoded with a computer program according to claim 9, wherein the second program encoder include the storing in second storage of count parameters to which a frame count has been added.

Claim 12 (Currently Amended): The ~~storage medium for a program~~ computer readable medium encoded with a computer program according to any of claims 9 to 11, wherein the camera parameters include camera attitude information of camera pan and tilt and zoom information.

Claim 13 (Currently Amended):   The ~~storage medium for a program~~ computer readable medium encoded with a computer program according to claim 12, wherein the camera parameters include two-dimensional or three-dimensional position information of the camera.

Claim 14 (Original):   A video image information storage medium that stores picture information of a target object acquired from multi perspective, which stores first picture information in which a synchronization common frame count has been sequentially added to video image data of each frame acquired by a plurality of cameras, and second video image information in which a frame count corresponding with the video image data has been sequentially added to the camera parameters of each camera.

Claim 15 (Original):   The video image information storage medium according to claim 14, wherein the camera parameters include camera attitude information of camera pan and tilt and zoom information.

Claim 16 (Original):   The video image information storage medium according to claim 14, wherein the camera parameters include two-dimensional or three-dimensional position information of the camera.

Claim 17 (Original): A camera parameter correction method, comprising the steps of:

acquiring an image in a plurality of rotational positions by panning and/or tilting a camera;

finding correspondence between the focal position of the camera and the center position of the axis of rotation from the image;

acquiring the camera parameters of the camera; and

correcting the camera parameters on the basis of the correspondence.

Claim 18 (Currently Amended): A wide-range motion capture system that acquires video image information of a three-dimensional target object and reproduces three-dimensional movement of the target object, wherein the three-dimensional movement of the target object is followed by changing, for a plurality of cameras, camera parameters that include at least any one of the pan, tilt, and zoom of each camera;

synchronized video image data of a moving image that is imaged by each camera and the camera parameters of each of the cameras are acquired such that the video image data and camera parameters are associated for each frame;

wherein the camera parameters include camera attitude information of camera pan and tilt and zoom information; and

the respective video image data of the moving images of the plurality of cameras is calibrated according to the camera parameters for each frame, positional displacement of the

images caused by the camera following the target object is corrected, and the position of the

three-dimensional target object moving in a wide range is continuously calculated.

Claim 19 (New): The multi perspective video capture system according to claim 3,

wherein the camera parameters include two dimensional or three-dimensional position

information of the camera.